

most probable, they must have been so small, so membranaceous, so soft, and so rudimentary, as almost to be useless to the animals for locomotion. The mouth, so analogous to that of *Apus*, makes us imagine that the Trilobites were carnivorous; and they may possibly have fed on *Acrita*, *Annelida*, or naked *Mollusca*. That they had to search for their food, and that they possessed some small power of locomotion, is to be inferred from their highly organized eyes; for no truly sessile animal is provided with sight. The *Balanus*, when it becomes sedentary, loses its eyes, as does also, in like case, the female *Coccus*. I imagine, therefore, that although the Trilobites were to a certain degree sedentary, more particularly the blind ones, they must have had some power of crawling over a flat surface; but whether they moved by rudimentary, soft, membranaceous feet, or whether it was by means of the undulation of setigerous segments, like the earth-worm, or by wrinkling the under surface of the abdomen like a *Chiton*, are questions yet to be determined. One thing, moreover, is in my opinion clear, from their longitudinally trilobed form and lateral coriaceous margin; namely, that they had the power of adhering to a flat surface, like a *Chiton*, *Bopyrus*, or *Coccus*. While thus sedentary, the hard, although thin dorsal shell, probably saved them in some degree from the attacks of fishes, just as that of *Chiton* protects such *Mollusca* from all fishes except the *Scaridæ*. The Trilobites probably, like *Ostreæ*, *Chitones*, *Cocci*, and other sedentary animals, adhered in masses one upon the other, and thus formed those conglomerations of individuals which are so remarkable in certain rocks.

IV.—*Floræ Insularum Novæ Zelandiæ Precursor; or a Specimen of the Botany of the Islands of New Zealand.* By ALLAN CUNNINGHAM, Esq.

[Continued from vol. iii. p. 319.]

TILIACEÆ, *Juss.*

ENTELEA, *R. Br., Juss.*

Calyx 4—5 phyllus. *Petala* 4. *Stamina* indefinita uniformia, *Antheris* subrotundis incumbentibus. *Stigma* denticulatum. *Capsula* sphaeroidea, echinata, 6-locularis, semi 6-valvis, polysperma.

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601. *E. arborescens*. R. Br. *Mss. Bot. Mag.* 2480.—*Apeiba australis*. A. Rich. *Fl. Nov. Zel.* p. 301. t. 34.—*Corchorus Sloanoides*. Sol. *Ms. in Bibl. Banks.*

Whau or *Iwau*, indig. R. C.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Shores of the Bay of Islands.—1826, *A. Cunningham*.

Arbuscula 12—15 pedalis, ramis teretibus pubescentibus. *Folia* alterna, longe petiolata, palmaria, subcordata, palmato 3—5 loba, inæqualiter eroso-dentata, præsertim subtus pubescentia, pilis densis stellatis. *Stipulæ* binæ, lanceolatæ deciduæ. *Flores* in racemum brevem, pauciflorum, pedunculatum dispositi.

ELÆOCARPEÆ, Juss.

1. ELÆOCARPUS, L. (*Dicera*, Forst.)

602. *F. Hinau*; foliis petiolatis alternis oblongis subacuminatis obtusis basi sensim attenuatis dentato-serratis subter pube adpressa sericeis venosis, in venarum axillis sæpe saccato-foveolatis, racemis simplicibus axillaribus folio brevioribus, petiolis trilobatis, drupis ovatis, nucleo sulcato.—*E. dentatus*. *Vahl. Symb.* iii. p. 67.—*Dicera dentata*. *Forst. Prodr. n.* 226. *DC. Prodr. i.* p. 520. *A. Rich. Fl. Nov. Zel.* p. 303.

Hinau ab incolis vulgo nominatur.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Frequent in the forests of Wangaroa, Hokianga, &c.—1826, *A. Cunningham*. (Middle Island.) Shores of Queen Charlotte's Sound.—1773, *G. Forster*.

Arbor procera, 50—60 pedalis; *rami* teretes, patentés; *cortice* brunneo-griseo. *Folia* alterna, oblonga, vel ovato-lanceolata, dentato-serrata, coriacea glabra, patentia, petiolata, subtus tenuissime sericea, pulchre reticulato-venosa, et in axillis venorum sæpe profunde foveolata. *Racemi* axillares simplicissimi, palmares, laxiflores, folio breviores. *Calyx* 5-sepalus, sepalis lineari-lanceolatis acutis villosis æqualibus patentibus. *Petala* alba, oblongo-dilatata, 3-lobata, 3-nervia, unguiculata, lobis oblongis obtusis undulatis intermedio longiore. *Stamina* circiter 15—20. *Antheræ* lineares, teretiusculo-tetragonæ, villosa-scabræ, 2-loculares, filamentis longiores, apice 2-valves dehiscentes, valva unica aristata, altera brevior reflexa. *Discus* hypogynus 5-glandulosus, glandulis basi bifidis extus sericeis. *Ovarium* superum conicum sericeum 5-loculare. *Stylus* subulatus. *Stigma* simplex. *Drupa* nucleo sulcato 5-loculare? loculis 4 plerumque abortivis.

The wood of the *Hinau* is remarkable for its whiteness, but it is almost useless on account of the way in which it splits, when exposed either to wet or warmth. Its chief use is that it makes an excellent dye, either a light brown, puce or dark black, not removeable by washing. The natives employ it (that is the outer skin of the bark) for the purpose of dyeing the black threads of their garments.—*Yates's New Zealand*, p. 49.

2. FRIESIA, DC.

Calyx profunde 4-partitus, foliolis æqualibus ovatis. *Petala* 4, cuneata,

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Hinau ab incolis vulgo nominatur.

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subunguiculata, apice triloba. *Discus* glandulosus. *Stamina* circiter 12. *Antheræ* cordato-oblongæ, muticæ, 2-loculares, poris sub apice dehiscentes. *Stylus* leviter sulcatus, apice 2-vel 4-fidus. *Bacca* sicca, fragilis, 4-locularis, loculis dispermis. *Semina* angulata subtriquetra, testa atra nitida, rugosa, crustacea.

603. *F. racemosa*, foliis (oppositis) cordato-ovatis acuminatis petiolatis inæqualiter serratis flaccidis venosis, racemis compositis subpaniculatis patentibus axillaribus ramulisque villosis.—*Dicera?* serrata. *Forst. Prodr. n. 227. DC. Prodr. i. p. 520. A. Rich. Fl. Nov. Zel. p. 304.*—*Elæocarpus* *Dicera*. *Vahl. Symb. iii. p. 67.*

Mako-Mako of the natives. *R. C.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Shady forests and margins of running streams, shores of the Bay of Islands, and elsewhere on the east coast where it usually flowers in Oct. and Nov.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

Arbuscula erecta pulcherrima, 12—15 pedalis: *rami* patentés, teretes, suboppositi. *Folia* membranacea, minute reticulato-venosa, juniora varie violacea purpurascensque picta. *Flores* in racemos patentés dispositi. *Calyx* villosus ciliatus. *Petala* albido-rosea vel purpurascens, sepalis alterna. *Filamenta* staminum cinereo-villosa. *Stylus* deciduus.

STERCULIACEÆ, *Kunth. Endl. (Bombacæ, D. C.?)*

PLAGIANTHUS, *Forst.*

Flores hermaphroditi. *Calyx* subhæmispæricus 5-fidus aut dentatus, persistens. *Petala* 5, cum tubo staminum unita. *Stamina* 10—12, filamenta in tubum cylindræum unitum. *Pistillum* solitarium. *Ovarium* ovatum, 1—2 ovulatum, ovulis suspensis. *Stylus* crassiusculus. *Stigma* magnum bilobum, hinc decurrens, papillosum. *Capsula* subdrupacea 1—2 cocca, apiculata indehiscens. *Cocculi* 1-spermi. *Semen* pendens. *Albumen* carnosum. *Embryo* immersus, curvatus. *Radicula* cylindræa, ad hilum seminis versa: *Cotyledones* majusculæ planæ subfoliææ longitudinaliter undulatæ.—*Arbores vel Frutices*. *Folia stipulata, alterna, linearia aut ovata*. *Flores subsolitarii paniculatique*.

604. *P. divaricatus*, glaber, foliis fasciculatis lineari-spathulatis obtusis integerrimis patentibus trinerviis floribus solitariis binisve axillaribus, petalis obovatis ad basin tubi staminum unitis, lobis stigmatis tubo inclusis, caule fruticoso. *Forst. Prodr. n. 254. DC. Prodr. i. p. 477. A. Rich. Fl. Nov. Zel. p. 299. Bot. Mag. 3271.*

Runa, indigenis. *R. Cunn.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Frequent in salt marshes on low sides of rivers, where it forms dense bushes.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

Frutex gracilis, diffusus, 3—4 pedalis, ramis virgatis divaricatis alternis teretibus prorsus glabris, cortice atro-brunneo, stipulis procumbentibus. *Flores* solitarii interdum bini; pedicellis brevibus. *Calyx* cyathiformis, 5-dentatus, dentibus acutis parvis brevibus divaricatis. *Petala* ovata, conca-

subunguiculata, apice triloba. *Discus* glandulosus. *Stamina* circiter 12. *Antheræ* cordato-oblongæ, muticæ, 2-loculares, poris sub apice dehiscentes. *Stylus* leviter sulcatus, apice 2-vel 4-fidus. *Bacca* sicca, fragilis, 4-locularis, loculis dispermis. *Semina* angulata subtriquetra, testa atra nitida, rugosa, crustacea.

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Mako-Mako of the natives. *R. C.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Shady forests and margins of running streams, shores of the Bay of Islands, and elsewhere on the east coast where it usually flowers in Oct. and Nov.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

Arbuscula erecta pulcherrima, 12—15 pedalis: *rami* patentés, teretes, suboppositi. *Folia* membranacea, minute reticulato-venosa, juniora varie violacea purpurascensque picta. *Flores* in racemos patentés dispositi. *Calyx* villosus ciliatus. *Petala* albido-rosea vel purpurascens, sepalis alterna. *Filamenta* staminum cinereo-villosa. *Stylus* deciduus.

STERCULIACEÆ, *Kunth. Endl. (Bombacæ, D. C.?)*

PLAGIANTHUS, *Forst.*

Flores hermaphroditi. *Calyx* subhæmiphæricus 5-fidus aut dentatus, persistens. *Petala* 5, cum tubo staminum unita. *Stamina* 10—12, filamenta in tubum cylindraceum unitum. *Pistillum* solitarium. *Ovarium* ovatum, 1—2 ovulatum, ovulis suspensis. *Stylus* crassiusculus. *Stigma* magnum bilobum, hinc decurrens, papillosum. *Capsula* subdrupacea 1—2 cocca, apiculata indehiscens. *Cocculi* 1-spermi. *Semen* pendens. *Albumen* carnosum. *Embryo* immersus, curvatus. *Radicula* cylindracea, ad hilum seminis versa: *Cotyledones* majusculæ planæ subfoliaceæ longitudinaliter undulatæ.—*Arbores vel Frutices*. *Folia stipulata, alterna, linearia aut ovata*. *Flores subsolitarii paniculatique*.

604. *P. divaricatus*, glaber, foliis fasciculatis lineari-spathulatis obtusis integerrimis patentibus trinerviis floribus solitariis binisve axillaribus, petalis obovatis ad basin tubi staminum unitis, lobis stigmatis tubo inclusis, caule fruticoso. *Forst. Prodr. n. 254. DC. Prodr. i. p. 477. A. Rich. Fl. Nov. Zel. p. 299. Bot. Mag. 3271.*

Runa, indigenis. *R. Cunn.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Frequent in salt marshes on low sides of rivers, where it forms dense bushes.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

Frutex gracilis, diffusus, 3—4 pedalis, ramis virgatis divaricatis alternis teretibus prorsus glabris, cortice atro-brunneo, stipulis procumbentibus. *Flores* solitarii interdum bini; pedicellis brevibus. *Calyx* cyathiformis, 5-dentatus, dentibus acutis parvis brevibus divaricatis. *Petala* ovata, conca-

subunguiculata, apice triloba. *Discus* glandulosus. *Stamina* circiter 12. *Antheræ* cordato-oblongæ, muticæ, 2-loculares, poris sub apice dehiscentes. *Stylus* leviter sulcatus, apice 2-vel 4-fidus. *Bacca* sicca, fragilis, 4-locularis, loculis dispermis. *Semina* angulata subtriquetra, testa atra nitida, rugosa, crustacea.

603. *F. racemosa*, foliis (oppositis) cordato-ovatis acuminatis petiolatis inæqualiter serratis flaccidis venosis, racemis compositis subpaniculatis patentibus axillaribus ramulisque villosis.—*Dicera?* serrata. *Forst. Prodr. n. 227. DC. Prodr. i. p. 520. A. Rich. Fl. Nov. Zel. p. 304.*—*Elæocarpus* *Dicera*. *Vahl. Symb. iii. p. 67.*

Mako-Mako of the natives. *R. C.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Shady forests and margins of running streams, shores of the Bay of Islands, and elsewhere on the east coast where it usually flowers in Oct. and Nov.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

Arbuscula erecta pulcherrima, 12—15 pedalis: *rami* patentés, teretes, suboppositi. *Folia* membranacea, minute reticulato-venosa, juniora varie violacea purpurascensque picta. *Flores* in racemos patentés dispositi. *Calyx* villosus ciliatus. *Petala* albido-rosea vel purpurascens, sepalis alterna. *Filamenta* staminum cinereo-villosa. *Stylus* deciduus.

STERCULIACEÆ, *Kunth. Endl. (Bombacæ, D. C.?)*

PLAGIANTHUS, *Forst.*

Flores hermaphroditi. *Calyx* subhæmispæricus 5-fidus aut dentatus, persistens. *Petala* 5, cum tubo staminum unita. *Stamina* 10—12, filamenta in tubum cylindræum unitum. *Pistillum* solitarium. *Ovarium* ovatum, 1—2 ovulatum, ovulis suspensis. *Stylus* crassiusculus. *Stigma* magnum bilobum, hinc decurrens, papillosum. *Capsula* subdrupacea 1—2 cocca, apiculata indehiscens. *Cocculi* 1-spermi. *Semen* pendens. *Albumen* carnosum. *Embryo* immersus, curvatus. *Radicula* cylindræa, ad hilum seminis versa: *Cotyledones* majusculæ planæ subfoliææ longitudinaliter undulatæ.—*Arbores vel Frutices*. *Folia stipulata, alterna, linearia aut ovata*. *Flores subsolitarii paniculatique*.

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Runa, indigenis. *R. Cunn.*

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subunguiculata, apice triloba. *Discus* glandulosus. *Stamina* circiter 12. *Antheræ* cordato-oblongæ, muticæ, 2-loculares, poris sub apice dehiscentes. *Stylus* leviter sulcatus, apice 2-vel 4-fidus. *Bacca* sicca, fragilis, 4-locularis, loculis dispermis. *Semina* angulata subtriquetra, testa atra nitida, rugosa, crustacea.

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STERCULIACEÆ, *Kunth. Endl. (Bombacæ, D. C.?)*

PLAGIANTHUS, *Forst.*

Flores hermaphroditi. *Calyx* subhæmispæricus 5-fidus aut dentatus, persistens. *Petala* 5, cum tubo staminum unita. *Stamina* 10—12, filamenta in tubum cylindræum unitum. *Pistillum* solitarium. *Ovarium* ovatum, 1—2 ovulatum, ovulis suspensis. *Stylus* crassiusculus. *Stigma* magnum bilobum, hinc decurrens, papillosum. *Capsula* subdrupacea 1—2 cocca, apiculata indehiscens. *Cocculi* 1-spermi. *Semen* pendens. *Albumen* carnosum. *Embryo* immersus, curvatus. *Radicula* cylindræa, ad hilum seminis versa: *Cotyledones* majusculæ planæ subfoliææ longitudinaliter undulatæ.—*Arbores vel Frutices*. *Folia stipulata, alterna, linearia aut ovata*. *Flores subsolitarii paniculatique*.

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Runa, indigenis. *R. Cunn.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Frequent in salt marshes on low sides of rivers, where it forms dense bushes.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

Frutex gracilis, diffusus, 3—4 pedalis, ramis virgatis divaricatis alternis teretibus prorsus glabris, cortice atro-brunneo, stipulis procumbentibus. *Flores* solitarii interdum bini; pedicellis brevibus. *Calyx* cyathiformis, 5-dentatus, dentibus acutis parvis brevibus divaricatis. *Petala* ovata, conca-

viuscula, patentia, flavescentia. *Stigma* bilobum, longitudine tubi staminum. *Ovarium* parce tomentosum, mono-dicoccum, ovulis pendulis.

605. *P. betulinus*; ramulis foliisque villosis, foliis sparsis petiolatis ovato-lanceolatis acuminatis grosse inæqualiterque serrato-trinerviis, floribus terminalibus lateralibusve ramoso-paniculatis decompositis, pilis cinereis conspersis, petalis lineari-spathulatis subciliatis ad medium tubi staminum coherentibus, lobis stigmatis patentibus tubum superantibus recurvis, caule arborescenti.

New Zealand (Northern Island). A lofty tree on the banks of the Kana-Kana river, near its head, Bay of Islands.—1833, *R. Cunningham*.

Arbor procera, 70 pedalis. *Rami* stricti, teretes; juniores tomentosi, pilis stellatis, cortice fibroso tenaci brunneo. *Stipulæ* deciduæ. *Flores* paniculati, ramis patentibus villosis. *Calyx* 5-fidus; laciniæ ovatæ acuminatæ, nervosæ, coriaceæ, rigidæ, patentis. *Petala* alba, spathulata. *Stigma* bilobum, tubo staminum longius. *Ovarium* villosum, 1-loculare, uniovulatum. *Ovulum* pendulum.

606. *P. urticinus*; ramulis foliisque canescentibus, foliis sparsis petiolatis ovato-lanceolatis attenuatis grosse inæqualiterque serratis venosis, paniculis ramosis terminalibus, petalis lineari-spathulatis elongatis acutis, juxta basin tubi staminum concretis, stylo omnino incluso, caule fruticoso.

New Zealand (Northern Island). Among underwood on the banks of the Kana-Kana river, Bay of Islands.—1826, *A. Cunningham*.

Frutex 6—8 pedalis. *Rami* virgati, teretes laxiusculi, ramulis alternis brevibus, foliatis. *Stipulæ* caduæ. *Flores* paniculati, ramis strictis dense stellato-pilosis. *Calyx* 5-fidus, laciniis ovatis acutis, minus rigidioribus sed villosioribus quam in præcedenti. *Petala* attenuato-spathulata. *Stylus* in tubo staminum penitus inclusus.

This species differs from the preceding in its leaves being smaller and more attenuated, in having its branchlets more hoary, and its petals, which are united almost at the base of the tube of stamens, more attenuated and somewhat exceeding the tube in length, within which the style is, moreover, wholly inclosed.

MALVACEÆ, *R. Br. Kunth*.

HIBISCUS, *L.*

607. *H. vesicarius*. *L. Willd. Sp. Pl. iii. p. 832. DC. Prodr. i. p. 453. Cav. Diss. iii. p. 171. t. 64. f. 2.*

New Zealand (Northern Island). On hills near the village of Manga-maka on the Hokianga river, and at Ngaire opposite the Cavallos Isles, off the East Coast.—1833, *R. Cunningham*.

An planta vere indigena? Forsan ex Anglia introducta.

LINEÆ, *DC.*

LINUM, *L.*

608. *L. monogynum*, caule basi suffruticoso, foliis sparsis lanceolatis 3-nerviis integris glabris, stylo simplici. *Forst. Prodr. n. 145. DC. Prodr. i. p. 428. A. Rich. Fl. Nov. Zel. p. 317. Don. in Sweet Fl. Gard. t.*

viuscula, patentia, flavescentia. *Stigma* bilobum, longitudine tubi staminum. *Ovarium* parce tomentosum, mono-dicoccum, ovulis pendulis.

605. *P. betulinus*; ramulis foliisque villosis, foliis sparsis petiolatis ovato-lanceolatis acuminatis grosse inæqualiterque serrato-trinerviis, floribus terminalibus lateralibusve ramoso-paniculatis decompositis, pilis cinereis conspersis, petalis lineari-spathulatis subciliatis ad medium tubi staminum coherentibus, lobis stigmatis patentibus tubum superantibus recurvis, caule arborescenti.

New Zealand (Northern Island). A lofty tree on the banks of the Kana-Kana river, near its head, Bay of Islands.—1833, *R. Cunningham*.

Arbor procera, 70 pedalis. *Rami* stricti, teretes; juniores tomentosi, pilis stellatis, cortice fibroso tenaci brunneo. *Stipulæ* deciduæ. *Flores* paniculati, ramis patentibus villosis. *Calyx* 5-fidus; laciniæ ovatæ acuminatæ, nervosæ, coriaceæ, rigidæ, patentis. *Petala* alba, spathulata. *Stigma* bilobum, tubo staminum longius. *Ovarium* villosum, 1-loculare, uniovulatum. *Ovulum* pendulum.

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New Zealand (Northern Island). Among underwood on the banks of the Kana-Kana river, Bay of Islands.—1826, *A. Cunningham*.

Frutex 6—8 pedalis. *Rami* virgati, teretes laxiusculi, ramulis alternis brevibus, foliatis. *Stipulæ* caduæ. *Flores* paniculati, ramis strictis dense stellato-pilosis. *Calyx* 5-fidus, laciniis ovatis acutis, minus rigidioribus sed villosioribus quam in præcedenti. *Petala* attenuato-spathulata. *Stylus* in tubo staminum penitus inclusus.

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HIBISCUS, *L.*

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New Zealand (Northern Island). On hills near the village of Manga-maka on the Hokianga river, and at Ngaire opposite the Cavallos Isles, off the East Coast.—1833, *R. Cunningham*.

An planta vere indigena? Forsan ex Anglia introducta.

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New Zealand (Northern Island). Among underwood on the banks of the Kana-Kana river, Bay of Islands.—1826, *A. Cunningham*.

Frutex 6—8 pedalis. *Rami* virgati, teretes laxiusculi, ramulis alternis brevibus, foliatis. *Stipulæ* caduæ. *Flores* paniculati, ramis strictis dense stellato-pilosis. *Calyx* 5-fidus, laciniis ovatis acutis, minus rigidioribus sed villosioribus quam in præcedenti. *Petala* attenuato-spathulata. *Stylus* in tubo staminum penitus inclusus.

This species differs from the preceding in its leaves being smaller and more attenuated, in having its branchlets more hoary, and its petals, which are united almost at the base of the tube of stamens, more attenuated and somewhat exceeding the tube in length, within which the style is, moreover, wholly inclosed.

MALVACEÆ, *R. Br. Kunth.*

HIBISCUS, *L.*

607. *H. vesicarius*. *L. Willd. Sp. Pl. iii. p. 832. DC. Prodr. i. p. 453. Cav. Diss. iii. p. 171. t. 64. f. 2.*

New Zealand (Northern Island). On hills near the village of Manga-maka on the Hokianga river, and at Ngaire opposite the Cavallos Isles, off the East Coast.—1833, *R. Cunningham*.

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LINEÆ, *DC.*

LINUM, *L.*

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viuscula, patentia, flavescentia. *Stigma* bilobum, longitudine tubi staminum. *Ovarium* parce tomentosum, mono-dicoccum, ovulis pendulis.

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New Zealand (Northern Island). Among underwood on the banks of the Kana-Kana river, Bay of Islands.—1826, *A. Cunningham*.

Frutex 6—8 pedalis. *Rami* virgati, teretes laxiusculi, ramulis alternis brevibus, foliatis. *Stipulæ* caduæ. *Flores* paniculati, ramis strictis dense stellato-pilosis. *Calyx* 5-fidus, laciniis ovatis acutis, minus rigidioribus sed villosioribus quam in præcedenti. *Petala* attenuato-spathulata. *Stylus* in tubo staminum penitus inclusus.

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MALVACEÆ, *R. Br. Kunth*.

HIBISCUS, *L.*

607. *H. vesicarius*. *L. Willd. Sp. Pl. iii. p. 832. DC. Prodr. i. p. 453. Cav. Diss. iii. p. 171. t. 64. f. 2.*

New Zealand (Northern Island). On hills near the village of Manga-maka on the Hokianga river, and at Ngaire opposite the Cavallos Isles, off the East Coast.—1833, *R. Cunningham*.

An planta vere indigena? Forsan ex Anglia introducta.

LINEÆ, *DC.*

LINUM, *L.*

608. *L. monogynum*, caule basi suffruticoso, foliis sparsis lanceolatis 3-nerviis integris glabris, stylo simplici. *Forst. Prodr. n. 145. DC. Prodr. i. p. 428. A. Rich. Fl. Nov. Zel. p. 317. Don. in Sweet Fl. Gard. t.*

Kaho, incolis. *R. Cunn.*—*Nao* vulgo ab incolis dicitur. *D'Urville*.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. On bare rocks on the islets of the Bay of Islands, &c.—1826, *A. Cunningham*. (Middle Island.)—1773, *G. Forster*. Astrolabe Harbour.—1827, *D'Urville*. _____

CARYOPHYLLÆ.

1. ARENARIA, *L.*

609. *A. media*, *L. DC. Prodr. i. p. 401. A. Rich. Fl. Nov. Zel. p. 315.*
—*A. marina. Engl. Bot. t. 958.*

Note-noho ab incolis vulgo sub nomine cognoscitur. *D'Urville*.

New Zealand (Middle Island). Frequent on rocks near the sea-coast, Astrolabe Harbour.—1827, *D'Urville*.

2. STELLARIA, *L.*

S. media, *Sm. Fl. Brit. p. 473. DC. Prodr. i. p. 396. Engl. Bot. t. 537.*
—*Alsine media, L. A. Rich. Fl. Nov. Zel. p. 316.*

Kaikaka, indigenis. *D'Urville*.

New Zealand (Northern Island). Frequent in open grounds, distant from any European settlement, apparently indigenous, in the country between Waimaté and Hokianga.—1833, *R. Cunningham*.

ELATINEÆ, *Cambess. in Mem. du Mus. (1829.)*ELATINE, *L.*

Calyx 3—4 partitus persistens inferus. *Petala* 3—4. *Stamina* 3—6—8.
Styli 3—4, breves. *Capsula* 3—4 valvis, 1—4 locularis, polysperma.
Semina cylindrica, longitudinaliter sulcata, transversimque striata plantis centralibus affixa.

610. *E. ? gratioides*, glabra, foliis oppositis subsessilibus obovatis obtusis venosis, floribus alternis axillaribus sessilibus.

New Zealand (Northern Island). In a bog at Tauraki, Hokianga river.—1833, *R. Cunningham*.

Herba glabra, caules repentes radicanter. *Folia* opposita, lato-obovata, obtusa, prope modum sessilia, decurrentia integerrima vel subrepanda, minutissime asperata. *Stipulæ* nullæ. *Flores* nondum vidi, sed expositione fructus judicans sessiles, axillares, alterni. *Calyx* 3-partitus, persistens, laciniis subrotundis, obtusis, concavis. *Capsula* depressa, umbilicata, 1-locularis, polysperma. *Semina* oblonga, cylindracea, longitudinaliter tenuiter striata, transversim sulcata.

[To be continued.]

V.—*Note on Macroscelides Rozeti* *. By Dr. MORITZ

WAGNER. †

THIS curious small insect-eater inhabits the western portion of the province of Algiers. It has hitherto been discovered

* Established by Duvernoy in the 'Mém. de la Soc. d'Hist. Nat. de Strasbourg,' i. p. 2.

† Translated from Wiegmann's Archiv. First part, 1839.

Kaho, incolis. *R. Cunn.*—*Nao* vulgo ab incolis dicitur. *D'Urville*.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. On bare rocks on the islets of the Bay of Islands, &c.—1826, *A. Cunningham*. (Middle Island.)—1773, *G. Forster*. Astrolabe Harbour.—1827, *D'Urville*. _____

CARYOPHYLLÆ.

1. ARENARIA, *L.*

609. *A. media*, *L. DC. Prodr. i. p. 401. A. Rich. Fl. Nov. Zel. p. 315.*
—*A. marina. Engl. Bot. t. 958.*

Note-noho ab incolis vulgo sub nomine cognoscitur. *D'Urville*.

New Zealand (Middle Island). Frequent on rocks near the sea-coast, Astrolabe Harbour.—1827, *D'Urville*.

2. STELLARIA, *L.*

S. media, *Sm. Fl. Brit. p. 473. DC. Prodr. i. p. 396. Engl. Bot. t. 537.*
—*Alsine media, L. A. Rich. Fl. Nov. Zel. p. 316.*

Kaikaka, indigenis. *D'Urville*.

New Zealand (Northern Island). Frequent in open grounds, distant from any European settlement, apparently indigenous, in the country between Waimaté and Hokianga.—1833, *R. Cunningham*.

ELATINEÆ, *Cambess. in Mem. du Mus. (1829.)*ELATINE, *L.*

Calyx 3—4 partitus persistens inferus. *Petala* 3—4. *Stamina* 3—6—8.
Styli 3—4, breves. *Capsula* 3—4 valvis, 1—4 locularis, polysperma.
Semina cylindrica, longitudinaliter sulcata, transversimque striata plantis centralibus affixa.

610. *E. ? gratioides*, glabra, foliis oppositis subsessilibus obovatis obtusis venosis, floribus alternis axillaribus sessilibus.

New Zealand (Northern Island). In a bog at Tauraki, Hokianga river.—1833, *R. Cunningham*.

Herba glabra, caules repentes radicanes. *Folia* opposita, lato-obovata, obtusa, prope modum sessilia, decurrentia integerrima vel subrepanda, minutissime asperata. *Stipulæ* nullæ. *Flores* nondum vidi, sed expositione fructus judicans sessiles, axillares, alterni. *Calyx* 3-partitus, persistens, laciniis subrotundis, obtusis, concavis. *Capsula* depressa, umbilicata, 1-locularis, polysperma. *Semina* oblonga, cylindracea, longitudinaliter tenuiter striata, transversim sulcata.

[To be continued.]

V.—*Note on Macroscelides Rozeti* *. By Dr. MORITZ

WAGNER. †

THIS curious small insect-eater inhabits the western portion of the province of Algiers. It has hitherto been discovered

* Established by Duvernoy in the 'Mém. de la Soc. d'Hist. Nat. de Strasbourg,' i. p. 2.

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Kaho, incolis. *R. Cunn.*—*Nao* vulgo ab incolis dicitur. *D'Urville*.

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CARYOPHYLLÆ.

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